

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 5000-OD20 (1978): Dimensions of Semiconductor Devices,
Device Outline OD20 [LITD 5: Semiconductor and Other
Electronic Components and Devices]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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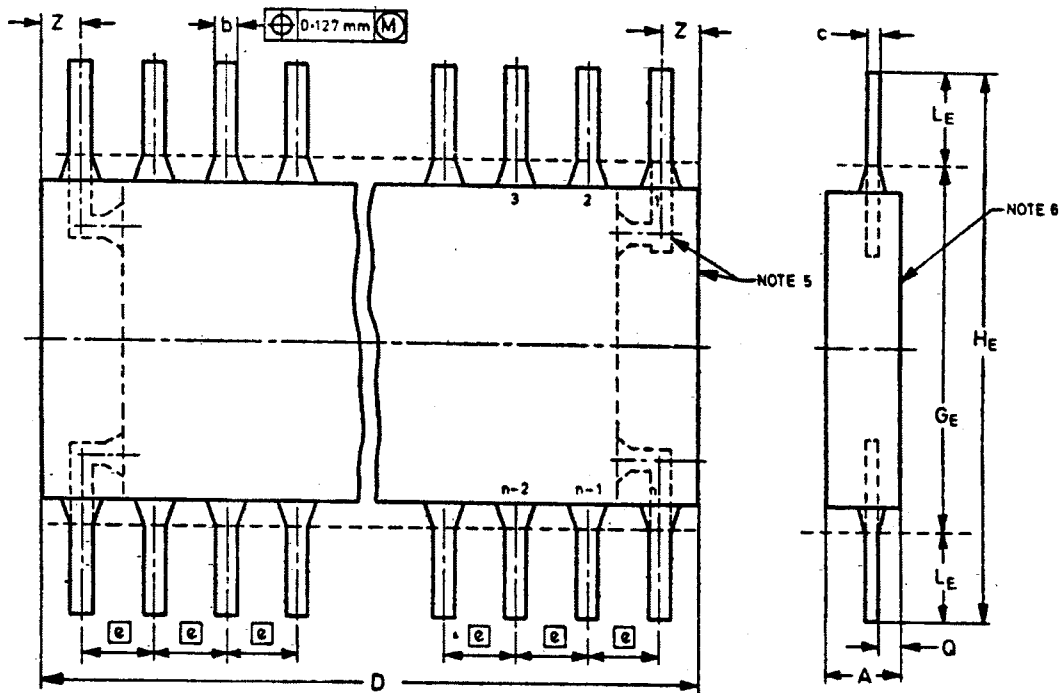
Indian Standard

(Reaffirmed 1997)

DIMENSIONS OF SEMICONDUCTOR DEVICES
DEVICE OUTLINE OD 20

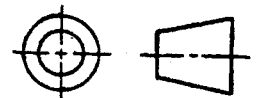
1. Dimensions

Note— This drawing has been prepared in accordance with IS : 5001 (Part I)-1969 ' Guide for the preparation of drawings of semiconductor devices and integrated circuits: Part I Semiconductor devices ' and IS : 5001 (Part II)-1973 ' Guide for the preparation of drawings of semiconductor devices and integrated circuits: Part II Integrated circuits '.



Reference	Millimetres			Notes
	Min	Nom	Max	
A	—	—	1.8	—
G_E	—	—	6.4	1
H_E	11.5	—	13.5	—
L_E	3.2	—	—	—
Q	0.13	—	0.90	—
b	0.25	—	0.48	2
c	0.07	—	0.16	—
e	—	1.27*	—	2

*Means true geometrical position.



Adopted 28 December 1978

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Reference	Type A	Type B	Type C	Notes
<i>n</i>	10	14	16	3
<i>Z (Max)</i>	1'27 mm	1'27 mm	1'27 mm	4
<i>D</i>	13'97 mm	16'05 mm	21'59 mm	—

Note 1 — Within this zone, the terminal dimensions are uncontrolled and should not be bent, cropped or used.

Note 2 — The maximum material condition applies to the positional tolerance of the terminals.

Note 3 — *n* refers to the total number of terminal positions.

Note 4 — Dimension *Z* is specified when a package overhang exists. Overhang shall be less than half pitch or one pitch as the case may be.

Note 5 — An index mark indicates terminal No. 1. When terminal No. 1 is visible at the end of the package body, it is differentiated for other visible terminals by a tab.

Note 6 — Coating plane and base plane.

2. Rules for Coding — See 8.1 of IS : 5001 (Part I)-1969.

3. Equivalent Designation Code Followed by Other Countries and Organizations

Country or Organization	Designation Code		
	Type A	Type B	Type C
India	OD 20A	OD 20B	OD 20C
IEC	A 52B	A 52D	—
UK	SO-92B	SO-92D	—
France	F 68B	—	—
Netherlands	NT 28B	NT 28D	—